

1

Mark K. Brightwell	Reg. No. 47,446
Kay A. Colapret	Reg. No. 52,759
Stephen J. Curran	Reg. No. 50,664
Mark R. DeLuca	Reg. No. 44,649
Heather L. Flanagan	Reg. No. 54,101
Russell Henrichs	Reg. No. 50,354
Erik A. Heter	Reg. No. 50,652
Jeffrey C. Hood	Reg. No. 35,198
B. Noël Kivlin	Reg. No. 33,929
Robert C. Kowert	Reg. No. 39,255

Lawrence J. Merkel	Reg. No. 41,191
Eric B. Meyertons	Reg. No. 34,876
Neal E. Persky	Reg. No. 53,452
Liza Philip	Reg. No. 51,352
David W. Quimby	Reg. No. 39,338
Rory D. Rankin	Reg. No. 47,884
Gareth Sampson	Reg. No. 52,191
Chris Thompson	Reg. No. 43,188
Mark S. Williams	Reg. No. 50,658

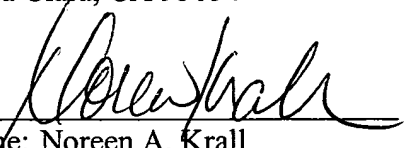
each of said attorneys or agents being a member or an associate of the firm of Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C., as attorney or agent for so long as they remain with such company or firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive the Letters Patent.

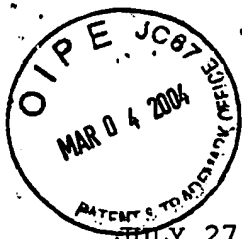
Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to: B. Noël Kivlin
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.
P.O. Box 398
Austin, Texas 78767-0398
(512) 853-8840

Assignee of Interest Sun Microsystems, Inc.
4150 Network Circle
Santa Clara, CA 95054

Dated: 1/5/04

By: 
Name: Noreen A. Krall
Reg. No.: 39,734
Title: Director of Intellectual Property,
Hardware and Systems



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 27, 2001

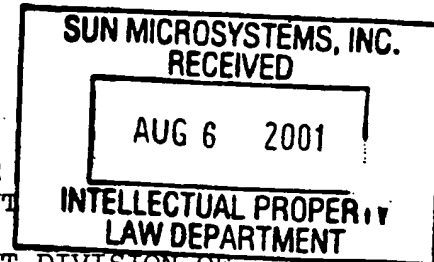
PTAS



101714251A

SUN MICROSYSTEMS, INC.
HUGH H. MATSUBAYASHI, ESQ.
901 SAN ANTONIO ROAD
M/S: PAL01-521
PALO ALTO, CALIFORNIA 94303

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT



THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/30/2001

REEL/FRAME: 011784/0743
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TALAGALA, NISHA D.

DOC DATE: 04/15/2001

RECEIVED

ASSIGNOR:

WU, CHIA Y.

DOC DATE: 04/02/2001

MAR 09 2004

Technology Center 2100

ASSIGNEE:

SUN MICROSYSTEMS, INC.
901 SAN ANTONIO ROAD
M/S: PAL01-521
PALO ALTO, CALIFORNIA 94303

SERIAL NUMBER: 09846374
PATENT NUMBER:

FILING DATE: 04/30/2001
ISSUE DATE:

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ORIGINAL → SAFE
COPY → FILE

Pat: P5599 NW Country: US
Sun Atty: HMM Date: NS
Performs: ORIG. REWARD ASS'NT REC'D
Action: FF Deadline: 4/30/02
Action: ISI OR 2 Deadline: 4/30/02
Action: _____ Deadline: _____
Action: _____ Deadline: _____
Excluded by: NR Date: 8/20/01

05-14-2001

FORM PTO-1619A
Expires 06/30/99
OMB0651-0027

101714251

U.S. Department of Commerce
Patent and Trademark Office
PATENT
Atty Dkt. No. P5599 US

1017 U.S. P.T.O.
09/846374

04/30/01

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation) Document ID#
☐ Correction of PTO Error
 Reel # Frame #
☐ Corrective Document
 Reel # Frame #

Conveyance Type

- ☒ Assignment
☐ License
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies.)

- ☐ Departmental File ☐ Secret File

Title: Data Integrity Error Handling in Redundant Storage Array

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1)

Execution Date

Month Day Year

Name (line 2)

Second Party

Name (line 1)

Execution Date

Month Day Year

Name (line 2)

09/846374

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

Correspondent Name and Address

Area Code and Telephone Number (510) 936-2733

Name Hugh H. Matsubayashi, Esq.

Address (line 1) Sun Microsystems, Inc.

Address (line 2) 901 San Antonio Road

Address (line 3) M/S: PAL01-521

Address (line 4) Palo Alto, California 94303

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
April 15, 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of payment:

Enclosed ☐

Deposit Account ☒

Deposit Account - Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number

19-4974

Authorization to charge additional fees Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Hugh H. Matsubayashi
Name of Person Signing
Reg. No. 43,779

Signature

Hugh H. Matsubayashi

April 30, 2001
Date

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **SUN MICROSYSTEMS, INC.** (the Assignee), a corporation organized and existing under and by virtue of the laws of the State of **Delaware**, and having its principal place of business at **901 San Antonio Road, Palo Alto, California 94303** their entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled, **DATA INTEGRITY ERROR HANDLING IN A REDUNDANT STORAGE ARRAY**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

By: N. D. Talagala Date: 4/15/2001
Nisha D. Talagala

By: Chia Y. Wu Date: 4/2/2001
Chia Y. Wu

Hugh H. Matsubayashi
Registration Number: 43,779
Sun Microsystems, Inc.
901 San Antonio Road, MS: UPAL01-521
Palo Alto, CA. 94303